

User Manual

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English



LINDY No. 70982

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Introduction

Thank you for purchasing the LINDY PCMCIA 10Base-T/2 Ethernet Card. This Ethernet card supports 10Base-2 and 10Base-T networks. The card is NE2000 compatible and supports "Hot Swap" insertion and removal.

Features

- Bus Type: 16 Bit PCMCIA
- Complies with IEEE802.3 standard (10Base-T/2)
- NE2000 Ethernet Adapter compatible
- Complies with PCMCIA release 2.1 and JEIDA 4.x standards
- Software configurable
- "Hot swap" insertion and removal
- LED diagnostic and activity indicators
- Card Connector: RJ-45 STP/UTP (10Base-T) & BNC (10Base-2)
- Compatible with Card and Socket Services including SystemSoft, Phoenix, AMI and Award
- Software Compatibility: Windows 95/98/ME/NT/2000/XP, ODI NetWare 3.x and 4.x, NDIS 3.0/4.0

Package Contents

- 1 x PCMCIA Ethernet Card
- Plastic Case
- RJ-45/BNC Adapter
- BNC T-Piece
- Driver disk
- This manual

Installing the Ethernet Card

The LINDY PCMCIA 10Base-T/2 Ethernet Card installs into a spare Type II or III PCMCIA slot in your computer. If you are having trouble locating this slot, refer to your computer's user manual or consult the manufacturer.

Gently slide the card into the PCMCIA slot. Make sure the card is firmly seated in the socket. Now you are ready to setup and install your communication software, as detailed in the following section.

README.TXT File

On the driver disk is a file called README.TXT which contains an installation guide and information about the disk contents.

Diagnostics

A DOS based diagnostics program, named CARDTEST.EXE is located on the driver disk; it can be used to check network connectivity after the hardware installation is complete. It provides the following diagnostics functions:

- I/O Port verification
- IRQ verification
- RAM testing
- Ethernet node address verification
- Internal loop-back testing
- External loop-back testing

To run the CARDTEST.EXE file, the PCMCIA enabling program must be loaded first. ENABLE.EXE is used to enable the PCMCIA interface.

Setup for DOS/Windows 3.x

Before you use the Ethernet Card in a DOS or Windows 3.x environment, your computer must have the proper Card and Socket Services drivers installed. The Card and Socket Services driver software allows your computer to access the PCMCIA sockets. If these drivers are not already installed on your system, or if you do not know whether they are installed, check your system manual or consult the manufacturer of your computer. The most popular Socket and Card Services are Systemsoft, CardWizard, Phoenix's PCM and AMI Card Manager Pro 3.0.

If EMM386.EXE is installed in the CONFIG.SYS file, please exclude memory address D400-D7FF from your system. The PCMCIA Ethernet card enabling program will use this space to read Ethernet Node ID and CIS from the on-board flash memory.

[Example]

DEVICE=EMM386.EXE NOEMS X=D400-D7FF or DEVICE=EMM386.EXE NOEMS X=D000-DFFF

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For Card and Socket Services device drivers in the CONFIG.SYS file, please add the ENABLE.EXE. The default parameters for the ENABLE.EXE program are INT=5, PORT=300 and MEM=D400. The following examples describe which instructions are needed for the popular Card and Socket Services providers.

Phoenix PCM+ V3.0

DEVICE=C:\PCM3\CNFIGNAM.EXE /SETUP-DEFAULTS DEVICE=C:\PCM3\PCMSS.EXE DEVICE=C:\PCM3\PCMCS.EXE DEVICE=C:\PCM3\PCMRMAN.SYS DEVICE=C:\PCM3\PCMSCD.EXE DEVICE=ENABLE.EXE

SystemSoft CardSoft V3.1

DEVICE=C:\CARDSOFT\SS365SL.EXE DEVICE=C:\CARDSOFT\CS.EXE DEVICE=C:\CARDSOFT\CSALLOC.EXE DEVICE=ENABLE.EXE

Award Cardware V2.0

DEVICE=C:\CARDWARE\SSPCIC.EXE DEVICE=C:\CARDWARE\PCCS.EXE DEVICE=C:\CARDWARE\PCRM.EXE /AUTODETECT DEVICE=ENABLE.EXE

[Note] Please do not use PCENABLE.EXE

AMI AMICard Manager

DEVICE=C:\AMI\SSSL.SYS DEVICE=C:\AMI\AMICS.SYS DEVICE=ENABLE.EXE

[Note] Please do not use PCBE.SYS

Databook CardTalk V3.02

DEVICE=C:\CARDTALK\TMB250.SYS /io:240 DEVICE=C:\CARDTALK\CTALKCS.EXE DEVICE=C:\CARDTALK\CARDTALK.EXE /A /IOW=300-31F /MEMW=D000-D7FF DEVICE=ENABLE.EXE

IBM Thinkpad Socket and Card Services V2.12

DEVICE=C\EMM386.EXE NOEMS I=B000-B7FF X=C800-CFFF X=D000-DFFF DEVICE=C:\THINKPAD\IBMDSS01.SYS /D DEVICE=C:\THINKPAD\IBMDOSCS.SYS DEVICE=C:\THINKPAD\DICRMU01.SYS /MA=C800-DFFF DEVICE=C:\THINKPAD\\$ICPMDOS.SYS DEVICE=ENABLE.EXE

Netware DOS ODI Driver

The DOS ODI driver for Netware 3.x and 4.x network operating systems is located in the ODI directory of the driver diskette. The filename is CARDODI.COM. To install this ODI driver, there is a batch file called STARTNET.BAT which is located in the same directory. There are five files needed to install the DOS ODI driver; they are:

- 1. LSL.COM----- Supported by Novell
- 2. CARDODI.COM----- ODI driver, supported by this product
- 3. IPXODI.COM----- Supported by Novell
- 4. NETX.EXE----- Supported by Novell or EMSNETX.EXE or XMSNETX.EXE
- 5. NET.CFG----- Configuration File

The NET.CFG file is used to decide the configuration of the Ethernet Card. The following statements are the sample contents in NET.CFG. If you have any problem with these settings, check your Netware Operating System user manual.

Protocol bind CARDODI Link Driver CARDODI int 5 port 300 frame Ethernet_802.2 frame Ethernet_802.3 frame Ethernet_II frame Ethernet_snap protocol IPX 0 Ethernet_802.3

Packet Driver

To use FTP PC/TCP or NCSA Telnet utilities, a packet driver for the network adapter is needed. This product supports a packet driver called CARDPD.COM. To load this packet driver, just execute the following command:

CARDPD 0x60

For detailed syntax, refer to the README.TXT on the driver diskette.

Setup for Windows 95/98

- 1. Make sure the PC is powered on and booted into Windows.
- 2. Insert the Ethernet adapter into the PCMCIA slot in your PC. The system will display the "Add New Hardware Wizard" dialog box. Insert the driver diskette into the floppy drive and then click "Next".



3. Select "Search for the Best Driver for your device (Recommended) ". Click "Next" button.



4. Select "Floppy disk drives" (or select "Specify a location" and type "A:\WIN98" in the location). Click "Next"



5. After Windows finds the driver - "PCMCIA NE2000 Compatible Ethernet Adapter", click "Next".



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- After the driver is found, Windows will begin to copy all the necessary files. If Windows tries to copy the "PCMCARD.SYS" file, input "A:\WIN98" to specify the location of this file.
- 7. Windows may request you to "Insert Windows 98 CD-ROM into the drive selected, and click OK". Follow the instructions and insert your Windows CD-ROM or disks as needed, and then click "OK".
- 8. When Windows finishes the installation, the "PCMCIA NE2000 Compatible Ethernet Adapter", message box will be displayed. Click the "Finish" button.



- 9. The system will prompt "**Do you want to restart your computer now**". Click "**Yes**" to restart your computer.
- 10. After the computer has restarted, the network function will be ready.

Setup for Windows NT

Follow the procedure below to get up and running.

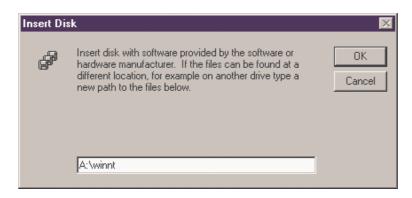
- 1. Insert the Ethernet Card in your computer
- 2. Start the computer
- 3. Double click the "Control Panel/Network" section. Select "Adapters" and click the "Add" button.

Network			? ×
Identification Se	rvices Protocols	Adapters Bind	dings
Network Adapte	'S:		
	Banana	Properties	(la data
<u>A</u> dd	<u>R</u> emove	Eropentes	<u>U</u> pdate
Item Notes:			
1			
		OK	Cancel

4. In the "Select Network Adapter" dialog box, select the "Have Disk" option.

Select Ne	etwork Adapter 🔹 😵
	Click the Network Adapter that matches your hardware, and then click OK. If you have an installation disk for this component, click Have Disk.
<u>N</u> etwork	Adapter:
■9 3Co ■9 3Co ■9 3Co ■9 3Co	m 3C508 ISA 16-bit Ethernet Adapter m Etherlink II Adapter (also II/16 and II/16 TP) m Etherlink III ISA/PCMCIA Adapter m EtherLink III PCI Bus-Master Adapter (3C590) m Etherlink16/EtherLink16 TP Adapter m East Etherlink PCI 10/100PASE T Adapter (3C595)
	<u>H</u> ave Disk
	OK Cancel

5. An "Insert Disk" box is displayed. Insert the driver disk and type "A:\WINNT".



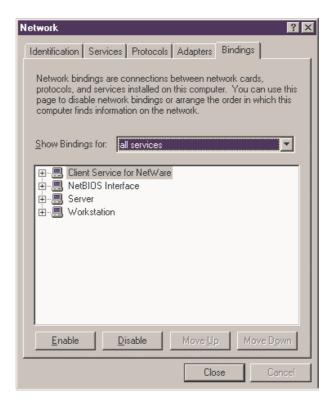
6. "NE2000 PCMCIA ETHERNET CARD" is displayed in the "Select OEM Option" dialog box. Click "OK".

Select OEM Option 🛛 🕅
Choose a software supported by this hardware manufacturer's disk.
NE2000 PCMCIA ETHERNET CARD
OK Cancel <u>H</u> elp

 Select the free IRQ, I/O Port Address and press "OK". You must select hardware bus if the system contains more than one hardware bus. Type "PCMCIA" and Number "0", then press "OK".

	NE2000 PCMCIA LNT-10TN Card Bus Locat ? 🗙
NE2000 PCMCIA LNT-10TN Card Setup	This system contains more than one hardware bus. Please select the Bus Type and Bus Number that your network adapter card can be found on. Type:
	Number: 0

8. Go back to "**Network**" and select "**Bindings**". Click the "**Close**" button to enable the network function.



9. Ask your Windows NT Server administrator to set the IP Address.

k	dicrosoft TCP/IP Properties
	IP Address DNS WINS Address Routing
	An IP address can be automatically assigned to this network card by a DHCP server. If your network does not have a DHCP server, ask your network administrator for an address, and then type it in the space below.
	Adagter:
	[1] NE2000 PCMCIA LNT-10TN Card
	O <u>D</u> btain an IP address from a DHCP server O <u>S</u> pecify an IP address
	IP Address: 172 .18 .86 .14
	Subnet Mask: 255 .255 .0 .0
	Default <u>G</u> ateway: 172 .18 .1 .1
	A <u>d</u> vanced
	OK Cancel Apply

10. Click "**OK**" to finish the network settings. A "**Network Setting Change**" box is displayed. Click "**Yes**" to restart your computer.

Setup for Windows 2000

- 1. Make sure your PC is powered on and booted into Windows.
- Insert the Ethernet Card into a spare PCMCIA slot in your PC. The system will display the "Found New Hardware Wizard" dialog box. Insert the driver diskette into floppy drive and click "Next".



3. Select "Search for a suitable driver for my device (Recommended)", and click "Next".



4. Select "Floppy disk drives" (or select "Specify a location" and type "A:\WIN2000" in the location).

Found New Hardware Wizard
Locate Driver Files Where do you want Windows to search for driver files?
Search for driver files for the following hardware device: PCMCIA LNT-10TN
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify. To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, inset the function of the formation whether the details of the formation of the format
insert the floppy disk or CD before clicking Next. Optional search locations: ✓ Floppy disk drives CD-ROM drives ✓ Specify a location ✓ Microsoft Microsoft Microsoft
Microsoft Windows Update < Back

5. After Windows finds the driver, the following prompt will appear: "**PCMCIA LNT-10TN**". Click "**Next**"; the driver then installs itself.

Found New Hardware Wizard
Driver Files Search Results The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
PCMCIA LNT-10TN
Windows found a driver for this device. To install the driver Windows found, click Next.
a:\win2000\pcmcard.inf
The wizard also found other drivers that are suitable for this device. To view a list of these drivers or install one of these drivers, select the following check box, and then click Next.
Install one of the other drivers
< <u>B</u> ack Cancel

- 6. When Windows finishes the installation, the "PCMCIA NE2000 Compatible Ethernet Adapter" message box will be displayed. Click "Next" to continue.
- 7. Restart the computer. After the computer has restarted the network function will be ready.

Setup for Windows ME

- 1. Make sure your PC is powered on and booted into Windows.
- 2. Insert the Ethernet Card into a spare PCMCIA slot in your PC. The "Add New Hardware Wizard" will be displayed. Select "Automatic search for a better driver", and insert the driver disk. Click "Next" The system will display the "Found New Hardware Wizard" dialog box. Insert the driver diskette into floppy drive and click "Next".



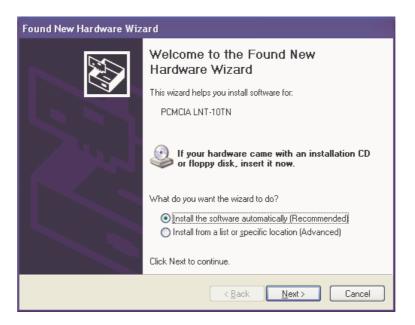
- 3. Windows ME will search and automatically install the driver files.
- 4. After copying the driver files, the device installation is complete. Click "Finish".



5. The network function is now ready.

Setup for Windows XP

- 1. Make sure your PC is powered on and booted into Windows.
- Insert the Ethernet Card into a spare PCMCIA slot in your PC. Windows XP will recognize the device. The "Found New Hardware Wizard" will be displayed. Select "Install the software automatically (Recommended) " and insert the driver disk and click "Next".



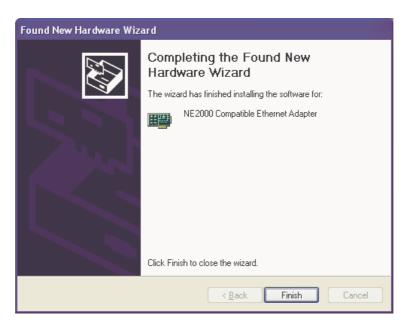
3. Select the XP driver from the and click "Next".

NE2000 Compatible Etherne	t Adapter		
lescription	Version	Manufacturer	Location
NE2000 Compatible Ethernet Ada	Unknown	PCMCARD	a:\win2000\pcmc
NE2000 Compatible Ethernet Ada	Unknown	PCMCARD	a:\winxp\pemeard
PCMCIA NE2000 Compatible Eth	Unknown	PCMCARD	a:\win98_me\pcm
PCMCIA NE2000 Compatible Eth	Unknown	PCMCARD	a:\win98\pcmcare
<			>
This driver is not digitally si <u>Tell me why driver signing is impo</u>			

4. The system will state that the driver has not passed Windows logo testing. Click "Continue Anyway". Windows will automatically copy the relevant driver files.



5. After copying the driver files, installation is complete. Click **"Finish".** The network function is now ready.





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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.